

Technical details

Tern HSD S9i Gen. 3, Perf., 545wh

General Info

Generation: Gen 3

Speeds: 1 x 9

Weight: 28.9 kg (63.7 lb)

Gear Inches: 20" - 109" (1.56 - 8.67 m)

Frame Sizes: One size

Bike Size: 174 × 112 × 68 cm (68.5 × 44.1 × 26.8 in)

Wheelbase: 120 cm (47.2 in)

Standover Height: 48.5 cm (19.1 in)

Folding Size: 166 × 42 × 87 cm (65.4 × 16.5 × 34.3 in)

Folding Time: 5 seconds

Distance: Seatpost to Handlebar: 52 - 59 cm (20.5 - 23.2 in)

Distance: Saddle to Pedal: 76 - 110 cm (29.9 - 43.3 in)

Suggested Rider Height: 153 - 205 cm (60.2 - 80.7 in)

Max Gross Vehicle Weight: 190 kg (418.9 lb)

Max Rider Weight: 130 kg (286.6 lb)

Frame

Frame: Tern HSD, 6061-AL, patented design, EN17860 certified: 190 kg

Fork: Suntour custom for Tern, 34 mm stanchions, Thru-axle, EN17860 certified: 190 kg

Cockpit

Handlepost: Tern Physis 3D, 3D forged, 5 patented technologies, 12°, 320 mm

Stem: Tern Andros, adjustable, forged construction, patented technology

Headset: Tern Flux Pro Taper by FSA, 1.5", angular contact bearings, Physis integrated

Handlebar: Tern Sweep, 6061-AL, Tern Andros adapted

Grips/Bar Tape: Ergon

Saddle: Tern by Velo

Seatpost: Tern VLT 41/34.9mm, with Cane Creek suspension and LightAction levers

Seatpost Clamp: Tern Collar

Brakes

Front Brake: Magura MT4, hydraulic disc, 180 mm rotor

Rear Brake: Magura MT4, hydraulic disc, 180 mm rotor

Brake Levers: Magura, hydraulic disc

Brake Cable & Housing: Magura, hydraulic disc

Wheels

Front Wheel: Tern Atlas H, cargo wheel

Rear Wheel: Tern Atlas H, cargo wheel

Front Hub: Tern Atlas, Boost Thru-Axle, sealed cartridge bearings

Rear Hub: 3x3 NINE, 9 spd, w/ Bosch eShift

Spokes & Nipples: Stainless steel, double-buttet

Rims: Tern Atlas H, cargo

Tires: Schwalbe Big Ben Plus, 55-406, Green Guard puncture protection, Reflex

Transmission

Shifter: 3x3 CMD, wireless e-shifter, w/ Bosch eShift

Crankset: Tern HSD, Gates CDX CNC machined beltring

Cassette/Freewheel: Gates CDX, precision CNC machined cog

Bottom Bracket: Motor integrated

Chain: Gates Carbon Drive CDX belt

Pedals: Urban with non-slip surface, sealed bearings

Shift Cables & Housing: Wireless

E-System

Motor: Bosch Performance PX (BDU34), 600% Assist, 90 Nm Torque, max speed 25 km/h (EU)

Battery: Bosch PowerPack 545

Display: Bosch Kiox 300 w/ LED remote, connectivity with Bosch eBike Flow app, electronic bike lock

Range: 545/540 Wh: 56-103 km (35-64 mi)

Charger: Fast Charging, 220V, 4A (EU); 100-240V, 4A (US)

Lock & Alarm: Bosch Connect Module with GPS/GSM connectivity & anti-theft alarm when subscribed to Flow+; free 12-month trial upon activation

Bells & Whistles

Bell: Pitch Plus, brass

Chainguard: Tern Custom, full chain cover

Kickstand: Ursus, rear mount

Luggage Socket: Tern Combo Mount

Front Light: Herrmans, 240 lumens

Rear Light: Herrmans LED

Fenders: Aluminum, stainless hardware

Rack: Atlas H rack, 6 point mounting, ISO 11243:2023 certification: 80 kg

Frame Lock: AXA, keyed-alike with Bosch battery